

UK GREENHOUSE GAS EMISSIONS REDUCTIONS: WHERE ARE WE?

Based on the latest provisional figures for 2011, UK progress against our international and domestic targets for reducing greenhouse gas emissions can be summarised as follows.

Kyoto Protocol target

- Target = 12.5 per cent reduction in emissions below base year levels over the 2008-12 period (base year levels are fixed)
- Equates to average annual emissions of 682.4 MtCO₂e on average over the period
- **Excluding emissions trading:** 2011 emissions provisionally estimated to be 549.3 MtCO₂e, **29.6 per cent below the baseline.**
- **Including emissions trading:** 2011 emissions provisionally estimated at 574.3 MtCO₂e, **26.4 per cent below the baseline.**

Carbon Budgets target

- First four five-year carbon budgets limit emissions to:
 - 3,018 MtCO₂e over the first carbon budget period (2008-2012)
- equates to annual average reduction of 21.7 per cent
 - 2,782 MtCO₂e over the second carbon budget period (2013-2017)
- equates to annual average reduction of 27.8 per cent
 - 2,544 MtCO₂e over the third carbon budget period (2018-2022)
- equates to annual average reduction of 34.0 per cent
 - 1,950 MtCO₂e over the fourth carbon budget period (2023-2027)
- equates to annual average reduction of 49.4 per cent
- **Excluding emissions trading:** 2011 emissions provisionally estimated to be 545.5 MtCO₂e, **29.2 per cent below the baseline.**
- **Including emissions trading:** 2011 emissions provisionally estimated at 570.4 MtCO₂e, **26.0 per cent below the baseline.**

Summary table

Target	Scope of emissions	Base year emissions	Equivalent annual average to meet target	2011 emissions	Change from base year
Kyoto Protocol All GHGs (MtCO ₂ e)	Excluding EU ETS	779.9	N/A	549.3	-29.6%
	Including EU ETS	779.9	682.4	574.3	-26.4%
Carbon Budgets All GHGs (MtCO ₂ e)	Excluding EU ETS	770.8	N/A	545.5	-29.2%
	Including EU ETS	770.8	603.6	570.4	-26.0%